

Rabbit Polycystin 1 Polyclonal Antibody | anti-PKD1 antibody

Polycystin 1 Antibody

CATALOG # AAA329007	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA
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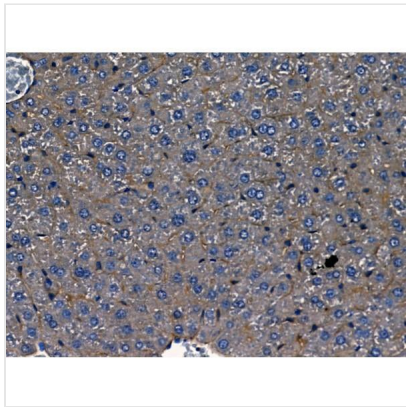
PRODUCT SYNONYMS

Polycystin 1; Polyclonal Antibody; Polycystin 1 Antibody; Autosomal dominant polycystic kidney disease 1 protein; Autosomal dominant polycystic kidney disease protein 1; nPKC-D1; nPKC-mu; OTTHUMP00000208669; OTTHUMP00000208670; PBP; Pc-1; PKD; Pkd1; PKD1_HUMAN; Polycystic Kidney Disease 1; polycystic kidney disease-associated protein; Polycystin 1 Precursor; Polycystin-1; Protein kinase C mu type; Protein kinase D; Serine/threonine-protein kinase D1; transient receptor potential cation channel; subfamily P; member 1; TRPP1; anti-PKD1 antibody

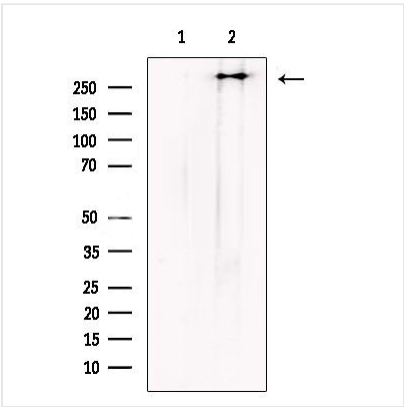
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Polycystin 1 Antibody detects endogenous levels of total Polycystin 1.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	4302
Applicable Applications for anti-PKD1 antibody	ELISA
Immunogen	A synthesized peptide derived from human Polycystin 1, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA329007 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Hela cells, using Polycystin 1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PKD1 antibody	Function: Component of a heteromeric calcium-permeable ion channel formed by PKD1 and PKD2 that is activated by interaction between PKD1 and a Wnt family member, such as WNT3A and WNT9B (PubMed:27214281). Both PKD1 and PKD2 are required for channel activity (PubMed:27214281). Involved in renal tubulogenesis (PubMed:12482949). Involved in fluid-flow mechanosensation by the primary cilium in renal epithelium (By similarity). Acts as a regulator of cilium length, together with PKD2 (By similarity). The dynamic control of cilium length is essential in the regulation of mechanotransductive signaling (By similarity). The cilium length response creates a negative feedback loop whereby fluid shear-mediated deflection of the primary cilium, which decreases intracellular cAMP, leads to cilium shortening and thus decreases flow-induced signaling (By similarity). May be an ion-channel regulator. Involved in adhesive protein-protein and protein-carbohydrate interactions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205360962
NCBI GeneID	5310
NCBI Accession #	NP_000287.3
NCBI GenBank Nucleotide #	NP_000287.3
UniProt Accession #	P98161
Molecular Weight	462 kDa
NCBI Official Full Name	polycystin-1 isoform 2
NCBI Official Synonym Full Names	polycystin 1, transient receptor potential channel interacting
NCBI Official Symbol	PKD1
NCBI Official Synonym Symbols	PBP; PC1; Pc-1; TRPP1
NCBI Protein Information	polycystin-1
UniProt Protein Name	Polycystin-1
UniProt Gene Name	PKD1
UniProt Entry Name	PKD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/polycystin-1-antibody-elisa/329007>